IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Kenneth W. Dobie : Art Unit: Not yet assigned

Serial No.: Not yet assigned : Examiner: Not Yet Assigned

Filed: Concurrently herewith

For: ANTISENSE MODULATION OF

BETA-SITE APP-CLEAVING ENZYME 2 EXPRESSION

INFORMATION DISCLOSURE STATEMENT

EXPRESS MAIL LABEL NO: EV147553659US DATE OF DEPOSIT: September 16, 2003

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

SIR:

Pursuant to 37 C.F.R. §§ 1.97 and 1.98 and to the duty of disclosure set forth in 37 C.F.R. § 1.56, the Examiner in charge of the above-identified application is requested to consider and make of record the references listed on the PTO-1449 form submitted herewith.

Although the information submitted herewith may be "material" to the Examiner's consideration of the subject application, this submission is not intended to constitute an admission that such information is "prior art" as to the claimed invention.

Copies of the references cited on the attached PTO-1449 form can be found in the parent case, U.S. Serial No. 10/163,272, filed June 4, 2002.

In accordance with 37 C.F.R. § 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made.

No first Official Action has yet been received and it is presumed that none has yet been mailed. No fee or certification is required. 37 C.F.R. § 1.97(b).

Respectfully submitted,

Gwilym J. O. Attwell Attorneys for Applicant

Enclosures:

PTO-1449

Dated: September 16, 2003

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Tel: 215-665-2000

<u>ISIS0044-101 (RTS-0378.C1)</u>

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	s and Publications	Applicant					
Cited by	Application	Kenneth W. Dobie e	t al.				
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		Filing Date	Group				
U.S. Department of Commerce Patent		herewith	- ;-				
and Trademark Of	fice						
OTHER DOCUMENTS	(Including Author, Ti	tle, Date, Pertinen	t Pages, Etc.)				
AA	Acquati et al., The gene encoding DRAP (BACE2), a glycosylated transmembrane protein of the aspartic protease family, maps to the down critical region, FEBS Lett., 2000, 468:59-64						
AB	Bennett et al., Expression analysis of BACE2 in brain						
}	and peripheral tiss	sues, J. Biol. Che	m., 2000.				
1	275:20647-20651.		,,				
AC		on BACE: the se	cretases as targets				
	for treatment in A	lzheimer disease	T Clin Throat				
	2001, 108:1243-1246	5	o. cim. invest.,				
AD	Farzan et al., BAG		tage homeles				
[cleaves at the beta	e site and within	the amulaid beta				
1 1	region of the amula	sid-bota progurgor	the ally101d-beta				
1	region of the amyloid-beta precursor protein, Proc.						
AE	Natl. Acad. Sci. U. S. A., 2000, 97:9712-9717						
""	Hussain et al., ASP1 (BACE2) cleaves the amyloid precursor protein at the beta-secretase site, Mol.						
AF	Cell. Neurosci., 2000, 16:609-619						
	Saunders et al., BACE2, a Homolog of BACE, in the Down						
	Syndrome Region of Chromosome 21, Science, 1999, 286:1255						
AG							
120	BACE2, is highly similar to Alzheimer's amyloid						
1 1							
	precursor protein beta-secretase, Cytogenet. Cell Genet., 2000, 89:177-184						
AH							
	disease Curr Oni	al., Therapeutic approaches to Alzheimer's r. Opin. Chem. Biol., 2000, 4:377-382					
AI	Vattemi et n7	records of Blor., 20	-4 DICEO 4				
	Vattemi et al., Pr	with coordinie	nd BACEZ in muscle				
	fibres of patients with sporadic inclusion-body myositis, Lancet, 2001, 358:1962-1964						
AJ	Yin of al Tara	5: -1:	4				
1 1 1 1 1	Xin et al., Ident:	ilication of a nov	eı aspartıc-like				
	protease different: cancer cell lines,	lally expressed in	numan breast				
	1501:125-137	Brochim. Blopnys.	ACCA, 2000,				
AK							
] ""	Yan et al., Membra	me-anchored aspar	tyl protease with				
	Alzheimer's diseas 1999, 402:533-537	e Dela-Secretase a	ctivity, Nature,				
		1					
EXAMINER		Draw concensus					
		DATE CONSIDERED					

ISIS0044-101 (RTS-0378.C1)

Form PTO	-1449 Modified	Docket No. RTS-0378 C1	Serial No. not yet assigned				
Cited b	ts and Publications y Application sheets if necessary)	Applicant Kenneth W. Dobie <i>et al</i> .					
,	of Commerce Patent	Filing Date herewith	Group				
OTHER DOCUMENTS	(Including Author, T						
AL	Yan et al., BACE2 secretase in cells 34027	al., BACE2 functions as an alternative alpha- se in cells, J. Biol. Chem., 2001, 276:34019-					
EXAMINER		DATE CONSIDERED					

<u>ISIS0044-101 (RTS-0378.C1)</u>

TO-1	1449 Modified		Docket No.		Seria	Serial No.		
		RTS-0378 C1						
List of Patents and Publications		Applicant						
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U.S. Department of Commerce		Riling Date						
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